

**PAT-NO:** JP357079215A  
**DOCUMENT-  
IDENTIFIER:** JP 57079215 A  
**TITLE:** MOTORCYCLE WITH TURBOCHARGE TYPE SPARK IGNITION  
ENGINE  
**PUBN-DATE:** May 18, 1982

**INVENTOR-INFORMATION:**

**NAME** **COUNTRY**  
YAMADA, KOHEI

**ASSIGNEE-INFORMATION:**

**NAME** **COUNTRY**  
KAWASAKI HEAVY IND LTD N/A

**APPL-NO:** JP55155411

**APPL-DATE:** November 4, 1980

**INT-CL (IPC):** F01P003/18 , B62K011/00 , F02B029/04 , F02B037/00

**US-CL-CURRENT:** 123/563

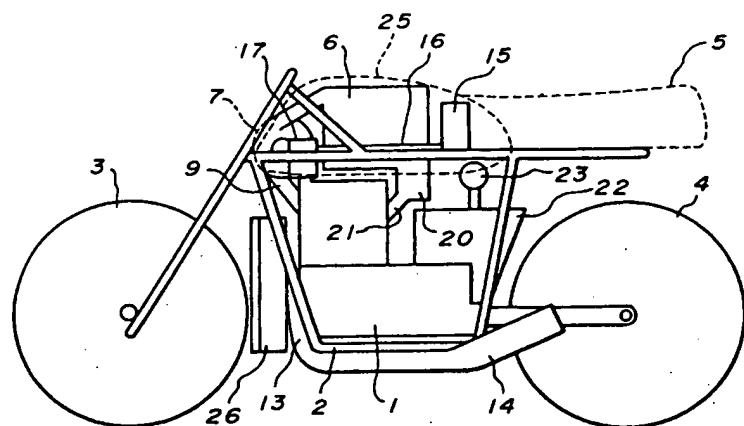
**ABSTRACT:**

**PURPOSE:** To furnish a compacted engine with high performance by arranging radiators for the engine and intercooler on the right and left side of the exhaust pipe, installing a baffle chamber at the outlet of the turbine, and by providing a resonance chamber at the suction gas outlet of the intercooler.

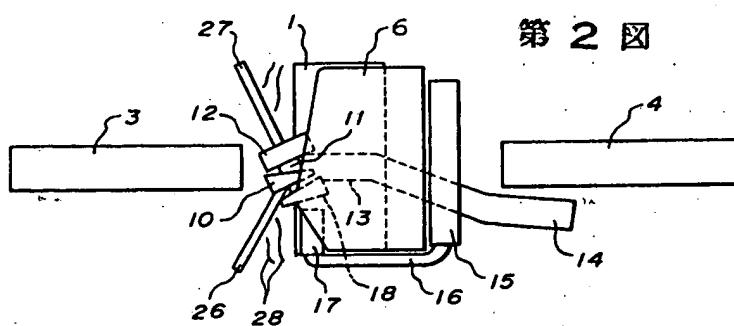
**CONSTITUTION:** This motorcycle has a water cooled engine 1, an intercooler 6 and a turbocharger 7. Radiators 26, 27 for the engine and intercooler are installed on the right and left side of the exhaust pipe 13 arranged angular to each other in such a way as opening toward the front to smooth the flow of cooling wind behind the radiator. A baffle chamber 12 is provided between the outlet of turbine 10 and the exhaust pipe 13, and the exhaust pipe is posed downward for connection with this baffle chamber. Accordingly, the back pressure of the turbine will decrease and the exhaust energy to drive the compressor 18 can be utilized effectively. Further, a resonance chamber 20 is provided at the suction gas outlet of the intercooler 6 consolidated to increase the capacity of intercooler 6 and enhance the performance.

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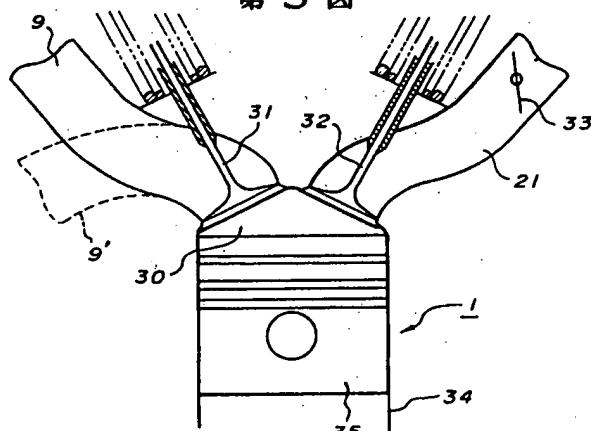
### 第 1 図



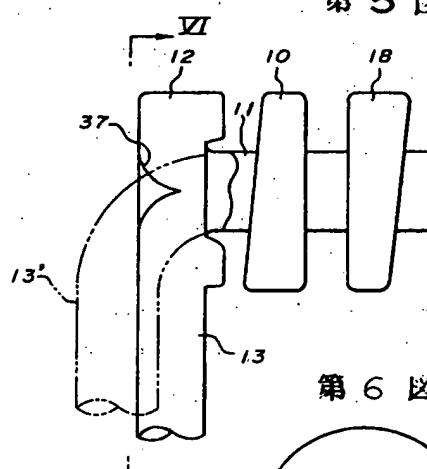
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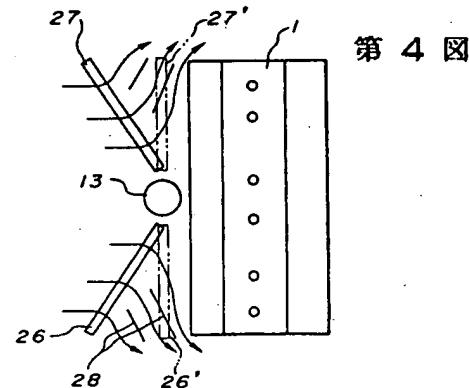
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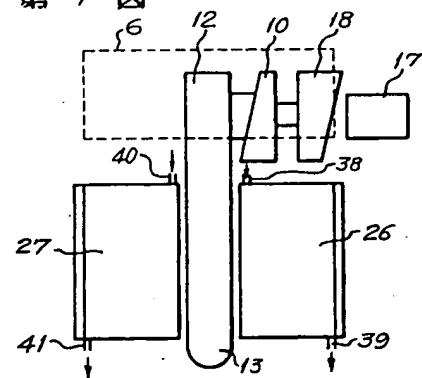
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### 第 6 図



第7図



第8図

